

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Akira Hagiwara :
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Serial No.: :
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:
For: MEDICAL IMAGE CAPTURING :
SYSTEM, SERVER :
APPARATUS AND METHOD :
OF CONTROLLING MEDICAL :
IMAGE CAPTURING SYSTEM :

SUBMISSION OF MARKED UP PARAGRAPHS AND CLAIMS

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

The following are Marked Up Paragraphs in accordance with 37 C.F.R.
1.121(b)(1)(iii) and Marked Up Claims in accordance with 37 C.F.R. 1.121(c)(1)(ii), wherein
additions are underlined and deletions are [bracketed].

IN THE ABSTRACT:

For the purpose of simplifying software management, an operation console reads
projection data [at Step S401], generates transmitted data [at Step S402], and transmits the
data to a server [at Step S403]. The server receives the transmitted data [at Step S451,] and
executes error correction processing on raw data [at step S452]. Next, [at Step S453,] image
reconstruction processing is executed based on the raw data corrected [at Step S452] to
produce an X-ray tomographic image. [At Step S454, the] The data of the X-ray
tomographic data is transmitted to the operation console. The operation console then receives

the data of the X-ray tomographic image [at Step S404,] and saves the received data of the X-ray tomographic image or displays it as an image [at Step S405].

IN THE SPECIFICATION:

At page 8, lines 4 to 6:

The server 104 comprises a CPU 261 for controlling the entire apparatus, a [ROM] RAM 262 storing a boot program, a [RAM] ROM 263 that serves as a main storage device, and the following components.

At page 14, line 25 to page 15, line 5:

The server receives the transmitted data at Step [S1005] S1051, and executes error correction on the raw data at Step S1052. Next, at Step S1053, image reconstruction processing is executed based on the raw data corrected at Step S1052 to produce an X-ray tomographic image; and moreover, a billing charge is calculated at Step S1054. Then, at Step S1055, the data of the X-ray tomographic image and the data of the billing charge are transmitted to the operation console. At step S1005, the data of the X-ray tomographic image and the data of the billing charge are received at the operation console, and at Step S1006, the window shown in Figure 9 is displayed on the CRT 56, and the X-ray tomographic image is also displayed as necessary. Moreover, the received X-ray tomographic image may be saved on the HDD 54 at Step S1006.

At page 15, lines 16 to 18:

While the X-ray system is used as the medical image capturing system in the embodiments above, the preceding description is not limited thereto but can be applied to an MR system or [US] an ultrasonic (US) system, for example.

IN THE CLAIMS:

6. (once amended) The medical image capturing system of claim 3, wherein said billing information relates to a billing charge corresponding to the time required for [the] processing [for] and producing said medical image by said image producing device.

14. (once amended) The method of controlling a medical image capturing system of claim 11, wherein said billing information relates to a billing charge corresponding to the time required for [the] processing [for] and producing said medical image at said image producing step.

Respectfully Submitted,



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